

## Niagara Falls Boulevard Site

### May 23, 2016 through May 27, 2016 (Off-Site)

- **Guardian**

- Schedule indoor utility mark out for GNBC office area and two warehouse areas.
- Purchase building supplies (lumber/nails/sheetrock, etc.) to build out temporary storage room within Sawdust room.
- Research clean fill companies. Coordinate with Weston to sample and analyze.
- Research Supersac and cubic yard box prices
- Subcontract
  - ☐ Portable Toilets/Wash Station
  - ☐ Excavation Equipment
  - ☐ Utility Mark Out
  - ☐ Work Trailers (One Large Office Trailer and Two Work Trailers)
  - ☐ Connex Box
- Contact T&D Facilities regarding temporary storage containers suitable for easy transport to facility from the Niagara County area.
  - ☐ Rail Car?
  - ☐ Truck?
- Research equipment to:
  - ☐ Cut concrete/asphalt
  - ☐ Lift concrete/asphalt (machine/drilled hooks)
  - ☐ Transport all debris securely without exposure to public in transit
  - ☐ Conveyor belt to place material on to screen in contaminated staging area.

- **Weston**

- Complete figure of GNBC floor plan with dimensions and estimated excavated material (using 2 foot depth)
- Complete figure of GNBC floor plan with soil sample locations and results (Ra-226 and Ra-228 results that exceed the PRG only with sample depth)
- Coordinate with Guardian to sample and analyze clean fill samples.
- Set up subcontract
  - ☐ ATV
  - ☐ Dust Tracks
- Research laboratory for soil analytical samples

- **Health Physicist/ERT**

- QA for all radiological equipment
  - ☐ Control chart
    - HPIC
    - Two-Ludlum 2241 (3x3 probe)
    - Ludlum 3030 (Check Planchette)
- Verify radiological check sources for ERT equipment (Ludlum 2241 and HPIC).
- Develop soil surveying/sampling procedures (MARSSIM).
- Ship approximately 20 individual real time personal radiation monitor similar to CANBERRA's UltraRadiac-Plus
- Investigate portable radiological soil sampling instrument
  - ☐ Can Site Health Physicist and Weston be trained on the instrument for ongoing site work?
  - ☐ Does ERT/RERT have the instrument?
  - ☐ Do we rent or buy?

### **May 31, 2016 through June 17, 2016 (On-Site)**

- Mobilize at NFB on Tuesday, May 31, 2016
  - Begin construction of Sawdust room build.
  - Clearing and removal of above ground vegetation.
  - Gamma survey of the proposed staging areas in the wooded areas.
    - Similar assessment strategy to what Weston and Guardian performed at Holy Trinity Cemetery assessment
    - Ludlum 2241 with 3\*3 probe/Viper ATV
    - Dust Tracks
    - Radeco
    - HPIC
  - Skid Steers with attachments for woods clearing to establish work trailer area and material staging areas
- Excavation of soil from GNBC Office/Warehouse Areas
  - Utility mark out in the three areas.
  - Properly shut off electrical to GNBC office area and two warehouse areas
  - Properly cap off plumbing services to GNBC office area and two warehouse areas.
  - Possibly start demolition of front office non load bearing walls on Wednesday, June 1, 2016.
  - Plan to jackhammer/cut saw front office concrete flooring on Sunday, June 5, 2016. Perform as much of the jack hammer operations in two warehouse areas on June 5<sup>th</sup> during off hours.
  - Excavate and stage contaminated soil in designated staging area.
- Post excavation sampling of GNBC Office/Warehouse Areas

### **June 18, 2016 through July 26, 2016 (Off-Site)**

- Evaluate laboratory results from indoor soil samples.
- Final status of indoor soil pits in GNBC office area and two warehouse areas/MARSSIM.

### **June 27, 2016 through July 29, 2016 (On-Site)**

- Return to Site on June 27, 2016.
- Continue removal of above ground vegetation and gamma survey of the woods.
- Backfill and pour concrete flooring of GNBC Office/Warehouse Areas.
- Rebuild of GNBC office area non-load bearing walls.
- Electrical and plumbing restoration.
- Begin removal of asphalt and excavation of contaminated material from specific sections of the parking lot.

### **Full Equipment List**

- One-Ludlum 3030 (Is there a laptop that goes with, programs?)
  - (Check Planchette)
- Two-Ludlum 2241 (3x3 probe)-With Links
- One-Ludlum 2241 (2x2 probe)
- Two-HPIC
- One-ATV
- One-Trimble GPS (Peter's)
- Four-Dust Tracks
- Two-Gateways with air cards
- Viper Laptop (Weston has extra power cord?)
- One-Trimble GPS (Viper)

- Four-Radeco
  - Four small generators
  - Calibrator
- Two-Skid Steers
- 20 personal radiation monitors

**Rad Standards**

- Ludlum 3030
- Ludlum 2241 (Lyndsey/Dave)
- HPIC (Lyndsey/Dave)